LIGHTech Fiberoptics, Inc.

Communicator

User's Manual

Version 1.1

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I. Introduction

LIGHTech's *Communicator* is an easy to use tool that lets you manage and control all LIGHTech's products. This software diagnoses all available communication ports automatically and sends control command to the test instrument directly. On the other hand, *Communicator* remembers all of previous commands and the responses that you have sent between the personal computer and instrument. Figure 1 shows the interface of *Communicator*.

Figure 1 - The interface of *Communicator*

II. Computer Requirement

Personal computer compatible with follows attributes…

1. Intel Pentium or AMD-K2 processor or higher;
2. Minimum of 32MB DRAM;
3. Microsoft Windows 95/98/Me/2000;
4. Either: National Instrument GPIB communication card;
   Or: RS-232 COM port with a 9-pin or 25-pin "D" type connector.

III. Using Communicator

This program launches either from the start menu "Start → LIGHTech Communicator", or click on the program shortcut on the desktop.

1. Communication Ports Detection

The Communicator can judge the communication ports automatically after you click the "Auto Detect" button (Figure 2). The user must power-ON the test instrument and to be ensure the GPIB or RS-232 cord has connected to the instrument first.

Figure 2 - The button on top of the window

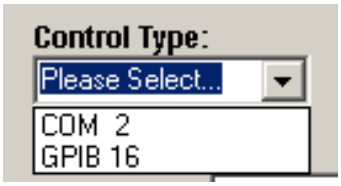

Figure 3 - Control Type List Item

2. Control Type

The Control Type lists all available communication ports for choose. For example, the user selects the "COM 2" or "GPIB 16" (Figure 3) for control type. It means you will use the RS-232 common port 2 or GPIB to communicate with instrument.

3. Use Control Command

The "Commands" text box (Figure 4) allows user to send commands to instrument after click the "Enter". The command will be shown on the response list (Figure 4). It represent the command has sent to instrument normally. User may move the mouse and single click on the "Commands" text box (Figure 4) to review the previous command. User can select one of all previous commands by clicking the scroll bar for next command. Response list is also available for user to review the previous records. Please refer to LIGHTech's "Operating and programming Manual – GPIB/RS-232 Control" – for all available commands.

4. Clear Records

The Commands' text box and Responses list (Figure 4) are all clear after click on the "Clear Records" (Figure 2) button.

Figure 4 - Commands text box and Responses list